

### AMENDMENTS TO THE CLAIMS

1. **(Currently amended)** An apparatus ~~Apparatus~~ for the treatment of cancer or a precancerous state in a patient in need thereof, which apparatus comprises a therapeutic light source, ~~characterised in that said source (2)~~ is designed to emit a therapeutic light beam having a wavelength between 1.2  $\mu\text{m}$  and 1.3  $\mu\text{m}$ , wherein said therapeutic light beam is sufficient to treat said cancer or precancerous state in said patient.

2. **(Currently amended)** The apparatus ~~Apparatus~~ according to claim 1, ~~characterised in that~~ wherein said light source ~~(2)~~ is designed to emit a pulsed therapeutic light beam.

3. **(Currently amended)** The apparatus ~~Apparatus~~ according to claim 2, ~~characterised in that~~ wherein the time of each pulse is adjustable.

4. **(Currently amended)** The apparatus ~~Apparatus~~ according to claim 2, ~~characterised in that~~ wherein the time of each pulse can be set to a value less than 0.5 s, ~~and preferably to a value between at least 0.1 s and 0.3 s.~~

5. **(Currently amended)** The apparatus ~~Apparatus~~ according to claim 2, ~~characterised in that~~ wherein the time interval between two pulses is adjustable.

6. **(Currently amended)** The apparatus ~~Apparatus~~ according to claim 5, ~~characterised in that~~ wherein the time interval between two pulses can be set to a value greater than 0.5 s, ~~and preferably to a value greater than or equal to 0.9 s.~~

7. **(Currently amended)** The apparatus ~~Apparatus~~ according to Claim 2 ~~one of claims 1 to 6~~, ~~characterised in that~~ wherein the time of emission or the number of pulses in each emission of the therapeutic light beam is adjustable.

8. **(Currently amended)** The apparatus ~~Apparatus~~ according to claim 2 ~~and claim 7~~, ~~characterised in that~~ wherein the number of pulses in each emission can be set to at least between 50 and 300.

9. **(Currently amended)** The apparatus ~~Apparatus~~ according to Claim ~~one of claims 1 to 8~~, ~~characterised in that~~ wherein the power of the therapeutic light beam is adjustable.

10. **(Currently amended)** The apparatus ~~Apparatus~~ according to claim 9, ~~characterised in that~~ wherein the power of the therapeutic light beam can be set to at least between 1 W and 5 W.

11. (Currently amended) ~~The apparatus~~ Apparatus according to claims 2 ~~or and~~ 9, characterised in that wherein the power density of the pulses can be set to at least between 30 W/cm<sup>2</sup> and 300 W/cm<sup>2</sup>.

12. (Currently amended) ~~The apparatus~~ Apparatus according to ~~one of claims~~ Claim 1 to 11, characterised in that wherein the light source (2) is a laser source.

13. (Currently amended) ~~The apparatus~~ Apparatus according to claim 12, characterised in that wherein the laser source (2) comprises a Raman fiber ~~fiber~~ laser.

14. (Currently amended) ~~The apparatus~~ Apparatus according to claim 13, characterised in that wherein the Raman fiber ~~fiber~~ laser includes a pump laser diode (201), an ytterbium-doped fiber ~~fiber~~ laser (202), and a Raman converter (204) that is intended to transpose the wavelength of the beam generated by the ytterbium-doped fiber ~~fiber~~ laser.

15. (Currently amended) ~~A method~~ Method for treating cancer or a precancerous state in a patient in need thereof, characterised in that comprising illuminating the site to be treated is illuminated with a therapeutic light beam having a wavelength between 1.2  $\mu$ m and 1.3  $\mu$ m, wherein said therapeutic light beam is sufficient to treat said cancer or precancerous state in said patient.

16. (Currently amended) ~~Treatment~~ The method according to claim 15, characterised in that wherein the therapeutic light beam is a laser beam.

17. (Currently amended) ~~Treatment~~ The method according to claim 15 ~~or 16~~, characterised in that wherein the therapeutic light beam is pulsed.

18. (Currently amended) ~~Treatment~~ The method according to claim 17, characterised in that wherein the pulse fluence is between 1 J/cm<sup>2</sup> and 30 J/cm<sup>2</sup>.

19. (Currently amended) ~~Treatment~~ The method according to claim 17 ~~or 18~~, characterised in that wherein the time (T) between two successive pulses is greater than 0.5 s.

20. (Currently amended) ~~Treatment~~ The method according to claim 17 ~~or 18~~, characterised in that wherein the time (T) between two successive pulses is greater than or equal to 0.9 s.

21. (Currently amended) ~~Treatment~~ The method according to Claim ~~one of claims~~ 17 to 20, characterised in that wherein the number of pulses (N) in each emission is between 50 and 300 pulses.

22. **(Currently amended)** ~~Treatment~~ The method according to Claim one of claims 17 to 21, characterised in that wherein the time (t) of each pulse is less than 0.5 s.

23. **(Currently amended)** ~~Treatment~~ The method according to Claim one of claims 17 to 21, characterised in that wherein the time (t) of each pulse is between 0.1 s and 0.3 s.

24. **(Currently amended)** ~~Treatment~~ The method according to Claim one of claims 15 to 23, characterised in that wherein the power density (d) of the therapeutic light beam at the level of the site to be treated is between 30 W/cm<sup>2</sup> and 300 W/cm<sup>2</sup>.

25. **(Currently amended)** ~~Treatment~~ The method according to Claim one of claims 15 to 23, characterised in that wherein the power density (d) of the therapeutic light beam at the level of the site to be treated is substantially equal to 100 W/cm<sup>2</sup>.

26. **(Currently amended)** ~~Treatment~~ The method according to Claim one of claims 15 to 25, characterised in that wherein the total fluence for each emission is between 6000 J/cm<sup>2</sup> and 90,000 J/cm<sup>2</sup>.

27. **(Currently amended)** ~~Treatment~~ The method according to Claim one of claims 15 to 25, characterised in that wherein the total fluence for each emission is substantially equal 30,000 J/cm<sup>2</sup>.

28. **(Currently amended)** ~~Treatment~~ The method according to Claim one of claims 15 to 27, characterised in that wherein the operation of lighting the site to be treated is repeated a number of times, with at least one day of rest between each lighting operation.

29. **(Currently amended)** ~~Treatment~~ The method according to Claim one of claims 15 to 28, characterised in that wherein a photosensitising drug is not administered to the patient.

30. **(New)** The apparatus according to claim 4, wherein the time of each pulse can be set to a value between at least 0.1 s and 0.3 s.

31. **(New)** The apparatus according to claim 6, wherein the time interval between two pulses can be set to a value greater than or equal to 0.9 s.